

IN THE CLAIMS:

Please amend Claims 1-21 to read as follows. A marked-up copy of Claims 1-21, showing the changes made thereto, is attached.

Sub B'7

1. (Amended) A data communication apparatus with a function of performing data communication between a first equipment that performs wireless data transmission and reception according to a first protocol and a second equipment that performs data transmission and reception through a bus according to a second protocol, said apparatus comprising:

a conversion unit adapted to perform a format conversion between data according to the first protocol and data according to the second protocol,

a' wherein said conversion unit does not generate command data, relative to a command included in received data, for controlling the first equipment and the second equipment.

2. (Amended) An apparatus according to Claim 1, wherein the first protocol is a PIAFS (PHS (Personal Handyphone System) Internet Access Forum Standard) protocol, and the second protocol is an IEEE (Institute of Electrical and Electronics

Engineers) 1394 Standard protocol.

3. (Amended) An apparatus according to Claim 1, wherein said conversion unit converts packet data according to a protocol of a transmission-side equipment into packet data according to a protocol of a reception-side equipment.

4. (Amended) An apparatus according to Claim 1, wherein said conversion unit ~~converts~~ ^B at least any of a recording format and a compression format.

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cont. 5. (Amended) An apparatus according to Claim 1, wherein

data for which data transmission and reception is performed includes video data, and

each of the first and second equipment performs at least any of an image pickup function, a video reproduction function, a video recording function, and a video display function.

6. (Amended) An apparatus according to Claim 1, wherein data wirelessly transmitted by the first equipment

includes control data for controlling an operation of the second equipment.

Sub B² 7. (Amended) A data communication system comprising:

a first equipment adapted to perform wireless data transmission and reception according to a first protocol;

a second equipment adapted to perform data transmission and reception through a bus according to a second protocol; and

a data communication apparatus adapted to perform data communication between said first equipment and said second equipment, wherein

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Cont. said data communication apparatus comprises a conversion unit adapted to perform format conversion between data according to the first protocol and data according to the second protocol, and

the conversion unit does not generate command data, relative to a command included in received data, for controlling the first equipment and the second equipment.

8. (Amended) A data communication system comprising:
a first equipment adapted to wirelessly transmit

data;

a home station adapted to receive the data wirelessly transmitted from said first equipment; and

a second equipment connected to said home station through a home bus, wherein

said home station performs format conversion of the data wirelessly transmitted from said first equipment, so as to adapt the received data for the home bus, and then said home station transmits the converted data to said second equipment through the home bus, and

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said home station does not generate command data, relative to a command included in the received data, for controlling said first equipment and said second equipment.

9. (Amended) A system according to Claim 8, wherein each of said first and second equipment performs at least any of an image pickup function, a video recording function, a video reproduction function, and a video display function.

10. (Amended) A system according to Claim 8, wherein wireless data transmission is performed according to a PIAFS protocol,

data transmission through the home bus is performed according to an IEEE 1394 Standard protocol, and

said home station performs the format conversion on packet data for each protocol.

11. (Amended) A system according to Claim 10, wherein said home station converts at least any of a recording format and a compression format.

Sub B3 12. (Amended) A data communication system comprising:

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Cont. a first equipment adapted to perform wireless data transmission and reception;

a second equipment adapted to perform data transmission and reception through a home bus; and

a home station adapted to perform wireless data transmission and reception with said first equipment and to perform data transmission and reception with said second equipment through the home bus, wherein

said home station performs format conversion between data wirelessly transmitted and received by said first equipment and data transmitted and received by said second equipment

through the home bus, and

said home station does not generate command data, relative to a command included in received data, for controlling said first equipment and said second equipment.

13. (Amended) A data communication system comprising:

a wireless telephone equipment;

a home station adapted to perform transmission and reception of wireless data with said wireless telephone equipment; and

a controlled equipment connected to said home station through a home bus and controlled according to equipment control data on the home bus, wherein

said home station performs format conversion between equipment control data included in the wireless data and the equipment control data on the home bus, and

said home station does not generate command data, relative to a command included in received data, for controlling said wireless telephone equipment and said controlled equipment.

14. (Amended) A system according to Claim 13,

wherein said wireless telephone equipment includes an operation panel adapted to change a screen in correspondence with the wirelessly transmitted equipment control data.

Sub B47 15. (Amended) A data communication method for performing data communication between a first equipment that performs wireless data transmission and reception according to a first protocol and a second equipment that performs data transmission and reception through a bus according to a second protocol, said method comprising:

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a processing step of performing format conversion between data according to the first protocol and data according to the second protocol,

wherein said processing step does not generate command data, relative to a command included in received data, for controlling the first equipment and the second equipment.

16. (Amended) A method according to Claim 15, wherein the first protocol is a PIAFS protocol, and the second protocol is an IEEE 1394 Standard protocol.

17. (Amended) A method according to Claim 15, wherein

said processing step includes converting packet data according to a protocol of a transmission-side equipment into packet data according to a protocol of a reception-side equipment.

18. (Amended) A method according to Claim 15,
wherein said processing step includes converting at least any of
a recording format and a compression format.

19. (Amended) A method according to Claim 15,
wherein

data for which data transmission and reception is
performed includes video data, and

each of said first and second equipment performs at
least any of an image pickup function, a video reproduction
function, a video recording function, and a video display
function.

20. (Amended) A method according to Claim 15,
wherein data wirelessly transmitted by the first equipment
includes control data for controlling an operation of the second
equipment.